10. Connect the coaxial cable to the TNC connector (local supply).

    Pass the coaxial cable behind the plate (pointed by arrow) and the clamp (circumscribed with a dashed circle).

11. Set the transceiver module to the antenna unit. Connect plugs P821, P801, P802, P822 and the TNC connector. Push the transceiver module in until it stops, and then tighten fixing bolts. **Be sure to push in the transceiver unit until it stops. Failure to do so may cause microwave leakage**.
12. Fasten the shield wire to the wing nut on the transceiver module.
13. Confirm that all screws are tightened and all wirings are properly made. Confirm that waterproofing gasket, bolts and tapping holes of antenna unit are coated with silicone grease. Close the antenna unit cover.

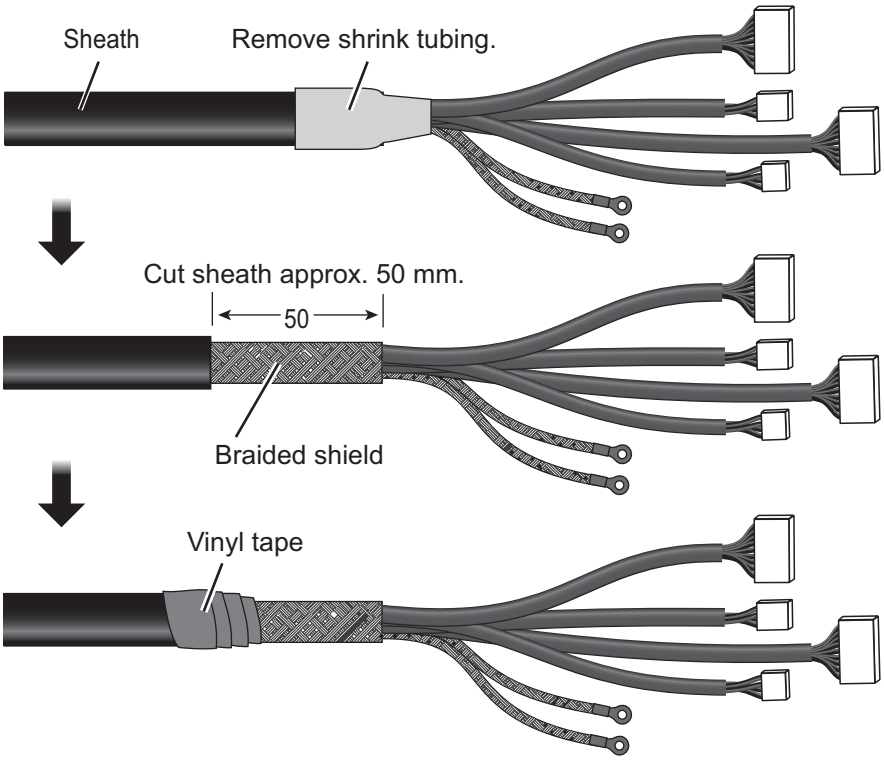
2.3 How to Connect the Signal Cable for FAR-1513, FAR-1523

In order to minimize the chance of picking up electrical interference, avoid where possible routing the signal cable near other onboard electrical equipment. Also, avoid running the cable in parallel with power cables.

How to fabricate the signal cable

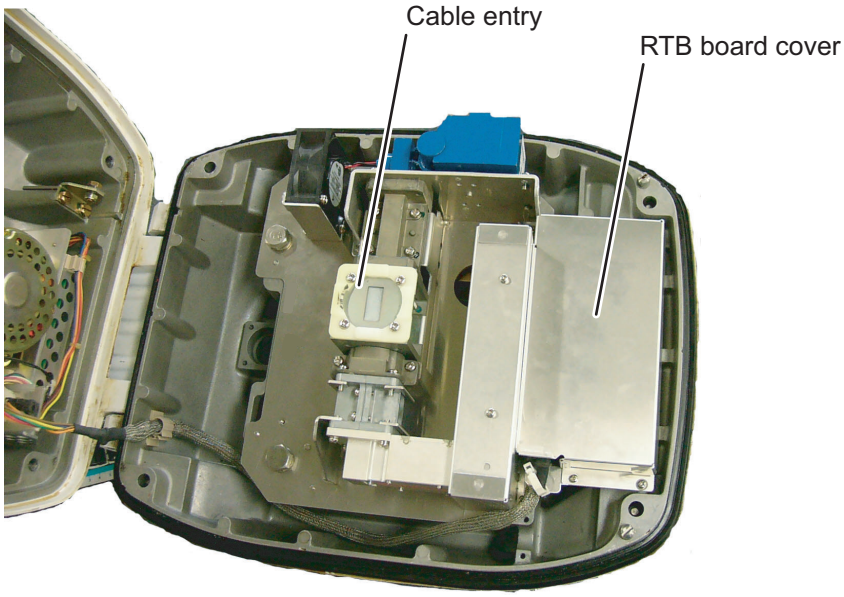
Fabricate the signal cable as follows:

1. Remove shrink tubing from the signal cable.
2. Remove vinyl sheath approx. 50 mm.
3. Wrap vinyl tape at the end of the vinyl sheath.

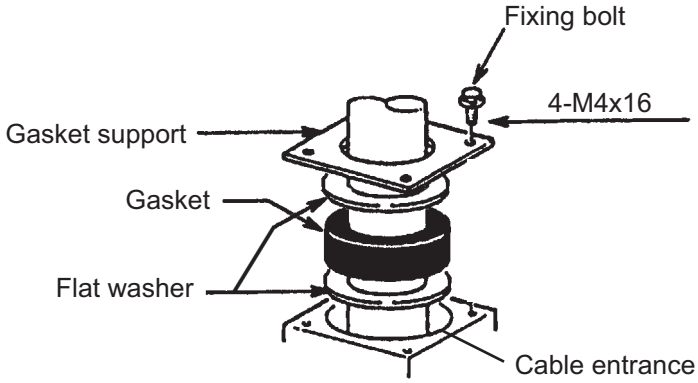


How to connect the signal cable

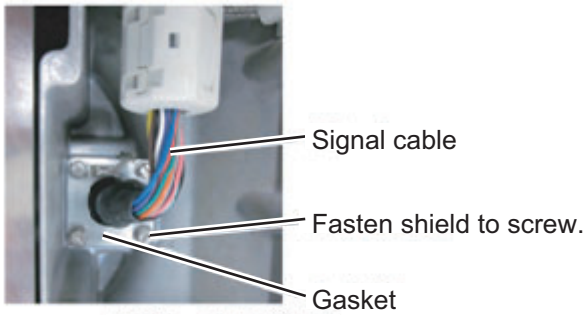
1. Open the antenna cover by loosening four bolts, and then fix the stay.



2. Unfasten the cable gland assembly (gasket, flat washer).
3. Pass the signal cable with connector through the bottom of the antenna unit chassis. Pass the cable through the gland assembly as shown below.

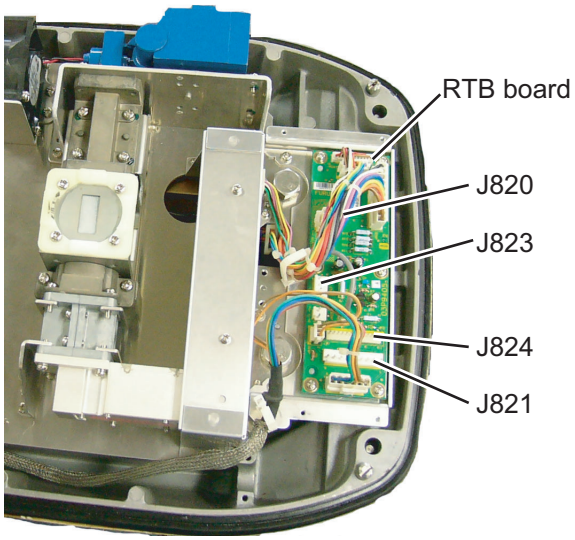


4. Fasten the gasket support with four bolts. Using one of the four bolts, fasten the crimp-on lug to the shield wire.
5. Fasten the crimp-on lug on the shield to one of the fixing bolts of the cable gland assembly.

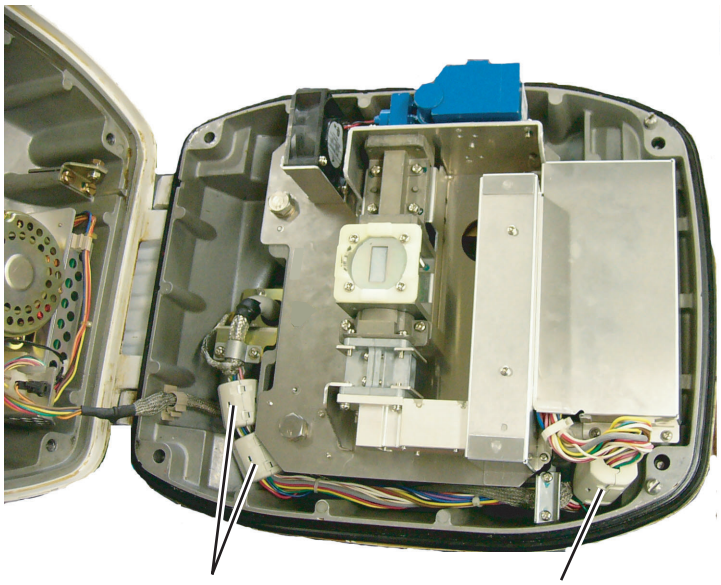


6. Unfasten four screws to remove the RTB board cover.

7. Connect the plugs of the signal cable to the RTB board.



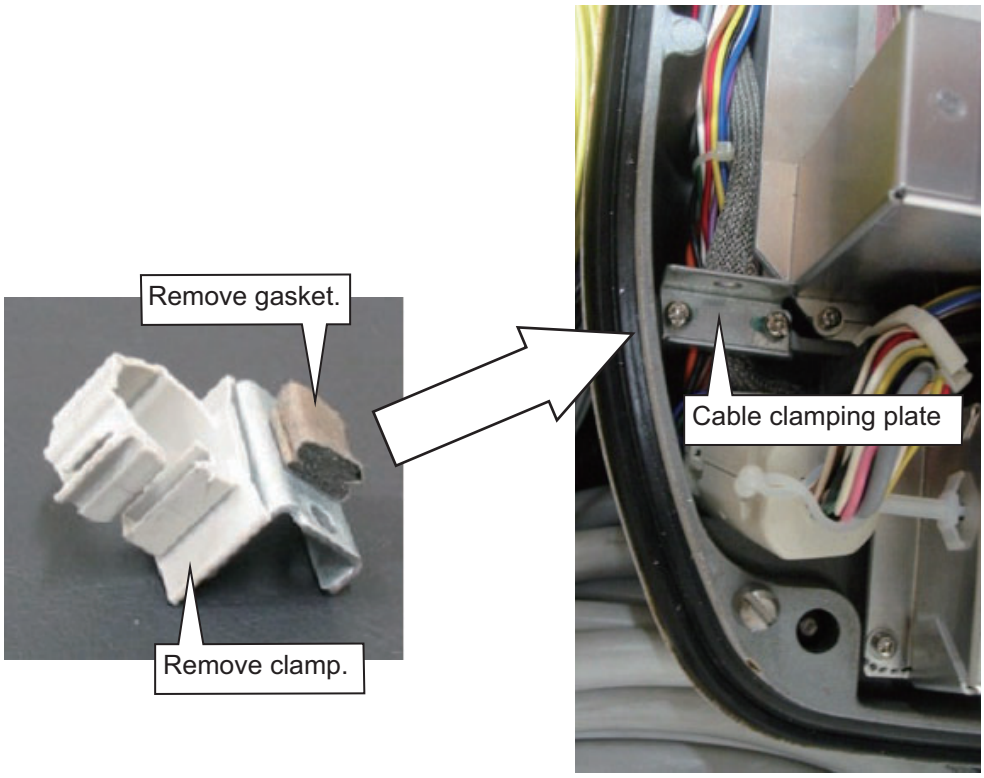
8. Reattach the RTB board cover.
9. Attach three EMI cores to the signal cable at the locations shown below.



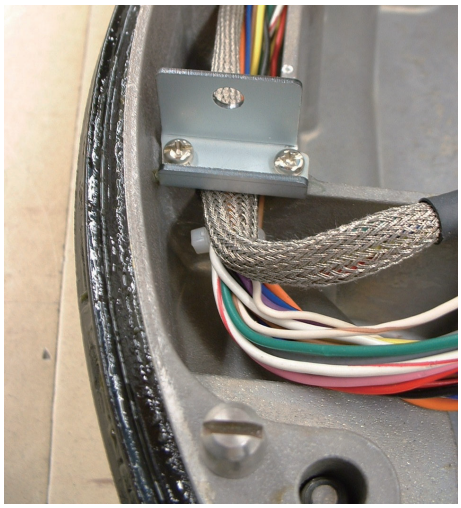
EMI Core RFC-13 (2 pcs) EMI Core RFC-H13 (1 pc)

10. Fasten the signal cable with the cable clamp as follows.

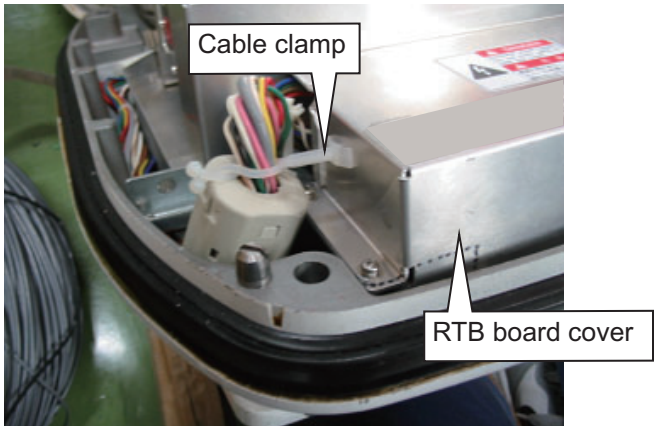
a) Dismount the cable clamping plate and remove the cable clamp and gasket.

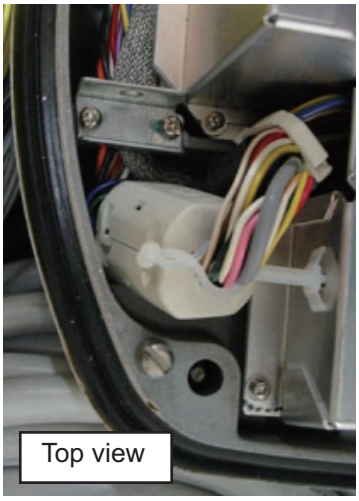


b) Run the signal cable as shown below.



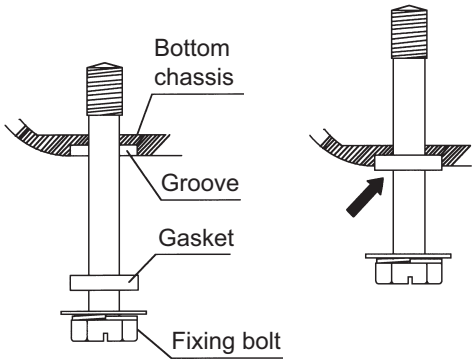
c) Fasten the signal cable with the cable clamp as shown below.





11. Release the stay and close the cover. Loosely fasten the fixing bolts; you will have to make some adjustments inside after completion of wiring.

Note: When closing the cover, set the gaskets to the grooves in the bottom chassis, then tighten the fixing bolts.



Torque : 9.8 ±0.1 Nm